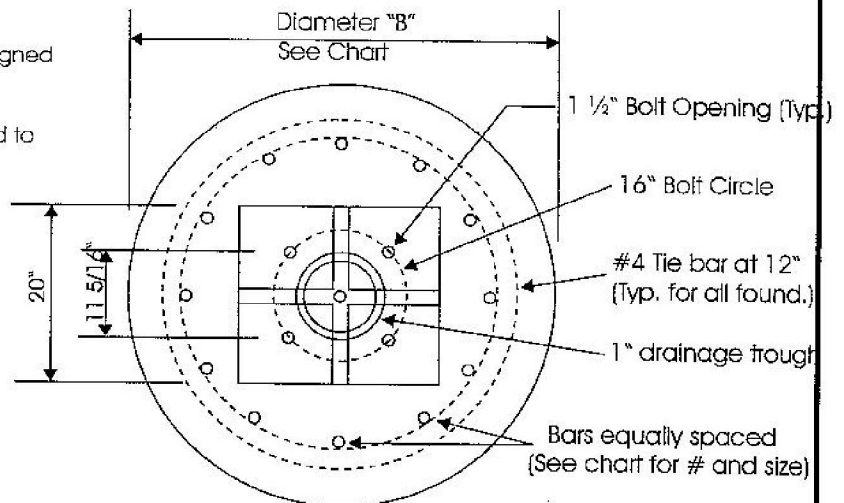


TYPE II MASTARM / CORED PIER FOUNDATION

NOTES:

- 1.) Pole, base plate & anchor bolts shall be designed by the pole manufacturer.
- 2.) Minimum foundation depth shall be checked to insure adequate anchor bolt embedment, clearance & projection.
- 3.) Optional end anchorage for anchor bolts can be steel plate with threaded holes designed by the pole manufacturer.
- 4.) Distance from face of curb to centerline of mastarm foundation shall be 36".



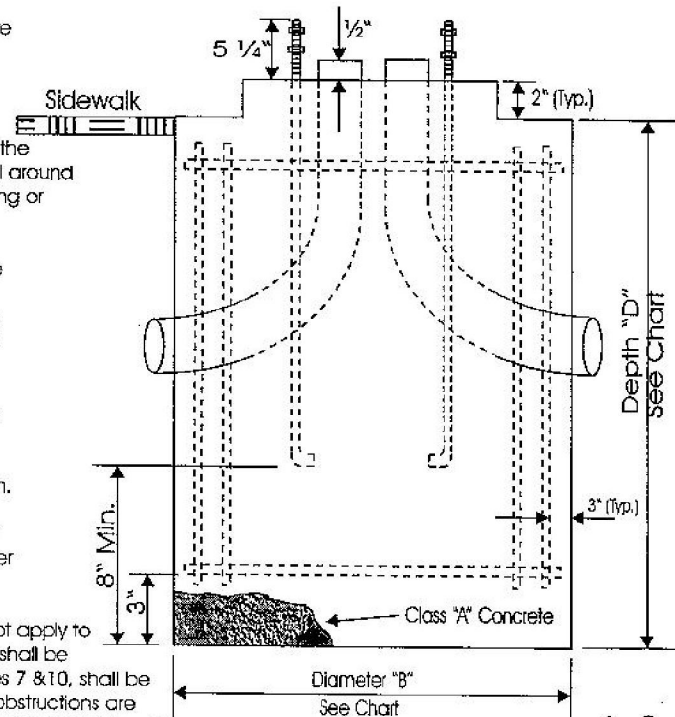
| SOIL TYPE (SEE GENERAL NOTE #7) | DIA. B=2'-6" | | DIA. B=3'-0" | | DIA. B=3'-6" | |
|------------------------------------|--------------|---------------|--------------|---------------|--------------|---------------|
| | DEPTH (D) | VERTICAL BARS | DEPTH (D) | VERTICAL BARS | DEPTH (D) | VERTICAL BARS |
| DRY SANDY SOIL | 5'-9" | 10 #5 | 5'-0" | 10 #6 | 4'-9" | 10 #7 |
| WET SANDY SOIL | 6'-9" | 10 #5 | 6'-0" | 10 #6 | 5'-6" | 10 #7 |
| CLAYEY SOIL (MEDIUM STIFF) | 9'-9" | 10 #5 | 8'-9" | 10 #6 | 8'-0" | 10 #7 |
| ALLUVIAL SOIL | 14'-3" | 10 #5 | 12'-9" | 10 #6 | 11'-9" | 10 #7 |

GENERAL NOTES:

- 1.) Foundations shall be class "A" cement concrete masonry.
- 2.) Reinforcement shall be A.S.T.M. A615-Gr.60.
- 3.) A 16" bolt circle & anchor bolts shall be provided by the contractor. The anchor bolts shall be supplied with a template for setting them & necessary bolt projection.
- 4.) Provide for the electrical conduit as required.
- 5.) Excavation shall be by the auger method to the neat lines of the outside dimension of the foundation without disturbing the soil around and below the proposed foundation bottom. No hand digging or open cut excavation will be allowed.
- 6.) If the soil is disturbed or removed beyond the neat lines of the outside dimension of the foundation as specified, it shall be replaced with concrete. Any additional cost for the concrete shall be paid for the contractor. All concrete shall be poured into a sauna tube form.
- 7.) Determination of existing soil conditions shall be made by the design engineer.
- 8.) Vertical reinforcement bars are to be evenly spaced as shown.
- 9.) The smallest diameter foundation shall be used that will meet the moment requirement & be at least 16" greater in diameter than the bolt circle diameter.
- 10.) If a poor soil or ledge is encountered, (i.e. one which does not apply to the design charts shown on this sheet) an alternative design shall be developed by the design engineer. Decisions made in notes 7 & 10, shall be submitted to the BTD for approval. If utilities or underground obstructions are encountered, the contractor shall backfill the area to its original condition until an alternative design has been provided by the contractor's design engineer.

1 1/4" x 48" anchor bolts with two (2) heavy hexagon nuts. Bolts shall be galvanized their entire length.

Exposed threads shall be protected from concrete.



A 2.3